0.00

Memo

QC

Quality Control

										DQA.	Date.	
NCR: Y	es / No				WORK ORDER NON-	CO	NFORM	MANCE / UP				
										QA Closed:	Date:	
Work Orde	er:				DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
Part N					Rework Scrap Use-as-is		- * 1	Skid-tube Machining noforming	Crosstube Small Fab Finishing	1	Water Jet d. Eng. Coor re/Packaging	Engineering Quality Other
NCR N	lo		_		Work Order Update	_		Large Fab	Composite		Supplier	
Root			1	Descri	ption of work order update	T	Initial	Act	tion	Sign &		
Cause	Date	Step	Qty	,	or Non-conformance	Ch	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup			1									
Other												
Process												
Supplier	$\square$											
Training												
Unapproved		_l	L				T CATE	CODY		<u> </u>		
1	6			<u>Grader (1975)</u> Pari		AUL	LT CATE			1402- 8393		2:443
Landir	ng Gear Bending		•		<b>General</b> Bend		Grain	<b>€.</b> • ∨	ato the t	Ovalized		Pressure/Forced
1 1	penung				ןטכווע	1	Julaiii			Jovanzeu	}	r ressure/ rorceu

Hardware

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Inspection Incomplete

Instructions Incomplete/Unclear

Temperature/Cure

Wrong Stock Pulled

Weld

Other

Over/Under tolerance

Part Incorrect

Part Moved

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

BOM/Route

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish Folio

Burrs

Broken/Damaged

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Cracks

Cuffs

Heat Treat

Crushed/Crimped

Inspection Strip in Tube

Torque Waves in Extrusion

Centre Not Concentric to O/S

Page 2

Tuesday, May 21, 2013 11:43:53 AM D2230-3 Item ID: Revision ID: Item Name: Lug 5/21/2013 Start Date: Required Date: 5/31/2013

Accept

\*N900040100\*

Setup

**Start Oty: 300.00** Rea'd Otv: 300.00

Cust Item ID: **Customer:** 

Reference:

Process Plan: Approvals:

Date: Date:

Tooling: SPC (Y/N): Date:

Service 127 Works enter ID Operation Description Set Up/ Run Hours Tool ID

Tool # Plan Code

Date:

Reject Accept Otv Otv

Run

Reject Number

Insp. Stamp

\*140\*

HandFinish Hand Finishing Memo

Chemical Conversion Coat per QSI005 4.1

0.00

0.00

500 HG13-70

150

140

QC3-Inspect Part Finish

0.00

\*150\*

**Ouality Control** 

Memo

0.00

300x pm/ 13/27/29

160

White Gloss(Ref:4.3.5.1) per OSI005 4.3-Alum

0.00

\*160\* Powdercoat

Powder Coating

Memo

**FINISH TIME** 

START TIME: OVEN TEMPERATURE:

300x 10 m/43/07/29

m126125

										DQA:	Date	•
NCR: Y	es / No				WORK ORDER NON-	CON	FORN	ANCE / UP	DATE			
								<u> </u>		QA Closed:	Date	•
Work Orde	r:				DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Part N	o				Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube  Machining noforming  Large Fab	Crosstube Small Fab Finishing Composite	-1	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
· ·		1	<u></u>		4:		.:4:-1	Λ αι	tion	Sign &		
Root			0-		ption of work order update	l l	nitial			Date	Verification	QC Inspector
Cause	Date	Step	Qty	'	or Non-conformance	Cni	ef Eng	Desc	ription	Date	verification	QC IIISPECTOI
Doc/Data	-											
quip/Tooling	_					1			·			
Operator			-									
Material	_		1									
Setup						1						
Other	$\dashv$	İ										
Process		1										
Supplier Fraining												
Jnapproved												
Shapproved			1			AUL	T CATE	GORY	.,,	1		
Landir	ng Gear				General					¥ - • - # •		
1	Bendin	g			Bend		Grain			Ovalized	`.	Pressure/Forced
	Centre	- Not Conce	entric to	o/s	BOM/Route	П	Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspecti	ion Incomplete		Part Incorre	ct	Weld
	Crushe	d/Crimped	į		Burrs		Instruct	ions Incomplete/	'Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cuffs				Contamination		Mainte	enance		Part Moved		
	Heat T	eat			Countersink		Mislabe	eled		Positioned V	· ·	_
	Inspec	ion Strip i	n Tube		Cut Too Short		Misread	t		Power Loss/	Surge	Other
	Ripples	in Bend			Drill Holes		Offset					
	Torque	Waves in	Extrusio	on $\lceil$	Drawing		Out of	Calibration				

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Finish Folio

Work Order ID 101911 \*101911\* Tuesday, May 21, 2013 11:43:53 AM D2230-3 Accept Item ID: \*N900040100\* Setup Start **Revision ID:** Item Name: Lug **Start Qty: 300.00** \*300\* **Start Date:** 5/21/2013 **Cust Item ID:** Required Date: 5/31/2013 Req'd Qty: 300.00 \*300\* **Customer:** Reference: Run Process Plan: Date: Tooling: Approvals: Date: Stop SPC (Y/N): QC: Date: Date: Seq :- 1D/ Se Up/ oi ID Tooi# Plan Reject 🗢 🖙 ration 4ccept Reject Work Center ID Qty Number escription Run Hours Code **Qty** Stamp 170 QC3- Inspect Part Finish 0.00 300 x d M 13/07/29 \*170\* QC 0.00 Memo Quality Control Identify as per dwg & Stock Location: 57469 0.00 180 300x 11.10, 15-07-31 \*120\* Packaging 0.00 Memo Packaging

QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

0.00

MLJ 13-08-01

MCJ 13-08-01

Page 3

190

\*190\*

## **Picklist Print**

Tuesday, May 21, 2013 11:43:53 AM

Work Order ID:

101911

Parent Item:

D2230-3

Parent Item Name:

Lug

**Start Date:** 5/21/2013

Required Date: 5/31/2013

Start Qty: 300.00

Required Qty: 300.00

Comments:

IPP D00.05.18Added inspection level 8, and removed P/O for powder

coatEC

IPP REV :E NEW FOLIO # 10-05-25 JLM VERIFIED

BY:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2230-3P		Purchased	No		-		Each	0.0000		300		61	. (2
LUG									9/1 W 15*	- week a second	143	[][2.	2 (ゴシ
D2423		Manufactured	No				f	588.7400		21.568421	· ~4		$\overline{}$
Lug Extrusion											1 1	13/05	[A]
				<b>Location</b>		Loc Qty	<u>Lo</u>	c Code					-
				MAT006		383							
				4372	2	161.5							
				8795	3	221.5							
				Metec		205.74							
				9355	1	205.74				21.57			

Page 1

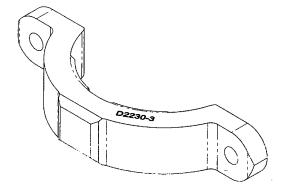
									DQA:	Date:	
NCR: Yes	/ No				WORK ORDER NON-C	ONFORM	MANCE / UP		QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DEI	PARTMENT	/PROCESS	
					Rework		Skid-tube	Crosstube	Dro	Water Jet	Engineering Quality
Part No.					Scrap Machining Small Fab Use-as-is Thermoforming Finishing				d. Eng. Coor. re/Packaging	Other	
NCR No.					Work Order Update		Large Fab	Composite		Supplier	
Root				Descri	ption of work order update	Initial	Ac	tion	Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data							į				
Equip/Tooling											
Operator											
Material											
Setup											
Other	]										
Process	1										
Supplier	]										

Unapproved	.		ļ									J	<u>.</u>		
								FAUL	T CATE	GORY					
Lan	ding	Gear	,	•		- +-	General					 _			
		Bending			ſ		Bend		Grain		* [	Ovalized '			Pressure/Forced
	Г	Centre Not	Concer	ntric to C	o/s		BOM/Route		Hardwa	re		Over/Unde	r tolerance		Temperature/Cure
		Cracks					Broken/Damaged		Inspecti	on Incomplet	te	Part Incorre	ect		Weld
		Crushed/Cr	imped		Γ		Burrs		Instruct	ions Incomple	ete/Unclear	Part Lost/M	lissing		Wrong Stock Pulled
		Cuffs			Ī		Contamination		Mainte	nance		Part Moved	į.		
		Heat Treat					Countersink		Mislabe	led		Positioned	Wrong	_	-
		Inspection	Strip in	Tube	ſ		Cut Too Short		Misread	Į.		Power Loss	/Surge		Other
		Ripples in E	end		Γ		Drill Holes		Offset						<del> </del>
		Torque Wa	ves in E	xtrusion	· [		Drawing		Out of 0	Calibration					
		Turning Se	quence		ſ		Finish		Out of 9	Sequence				<u></u>	
		Wave/Twis	t in Tuk	ре			Folio		Outside	Dimensions					

Training

D2230-1

**D2230-1 MOUNTING LUG** 



**D2230-3 MOUNTING LUG** 



G	STAND. ADDED	ARDS, REFER	JORKS TO CURRENT DESIGN TO SECTION A-A & B-B FILLET CHAFING OF RUBBER CUSHION ON	AJS	09.01.16
F	REDES	IGN; R1.200 W	AS 1.100	CP	99.12.13
É	RE-DES	SIGN		BW	95.01.04
. 0	RE-DES	SIGN		BW	95.01.04
С	RE-DES	SIGN		BW	94.03.30
REV.			DESCRIPTION	BY	DATE
DESIG	7	BW	DART AEROSPA	ACE L	TD
DRAW	4	AJIS	HAWKESBURY, ONTAR		
CHECK	ED	71	DRAWING NO.		REV. G
MFG. A	PPR.	C/ml.	D2230		SHEET 1 OF 3
APPRO	VED	NAV	TITLE		SCALE
DE APP	PR.	-4	MOUNTING LUG		NTS
DATE	09.0	1.16	COPYRIGHT © 1994 BY DART A THIS DOCUMENT IS PROVATE AND CONFIDENTIAL AND IS SUPPLED	ON THE EXPRES	SS CONDITION THAT IT IS

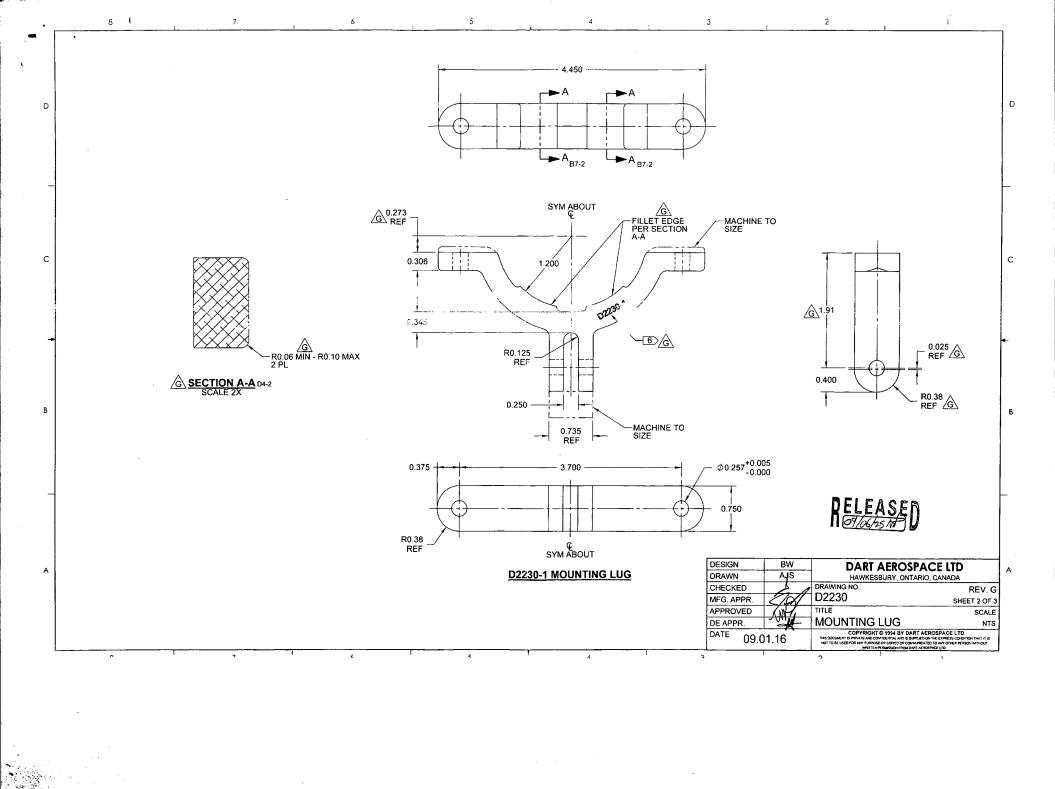


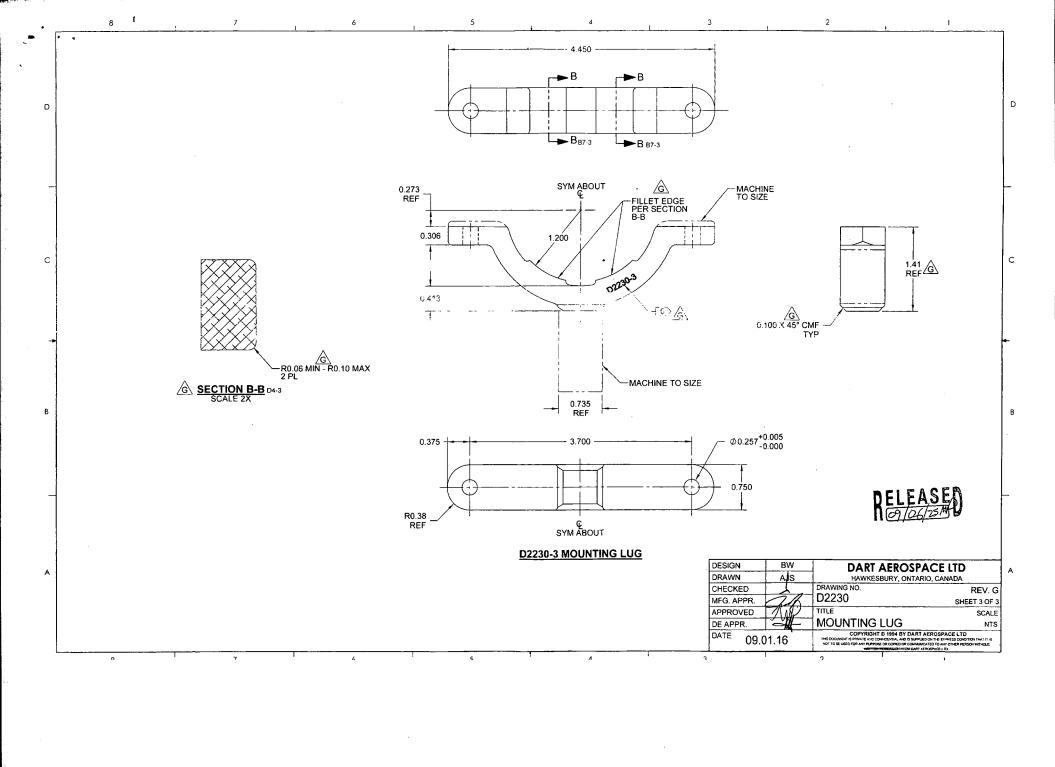
NOTES:
1) MATERIAL: MAKE FROM D2423 EXTRUSION
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: ENGRAVE PART NUMBER TO A DEPTH OF 0.010 ±0.005 IN THIS LOCATION, WITH TOOL TIP RADIUS OF 0.015 ±0.005.
7) WEIGHT: -1: 0.16 lbs
-3: 0.14 lbs

3

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IS PRIVATE AND CONFIDENTIAL AND IS SUPPLED ON THE EXPRESS CONDITION OF PERSONS OF COMPANION FEED TO ANY OTHER PERSONS.

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		4 <sup>5.5</sup> †		
•				
• '				







Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

## **PURCHASE ORDER**

## Purchase Order ID PO19937

Purchase Order Date 5/21/2013 PO Print Date 5/21/2013

Page Number 1 of 1

Order From:

VC-MET003

METEC METAL TECHNOLOGY INC. 20 TERRY FOX DRIVE PO BOX 781 VANKLEEK HILL, ON K0B 1R0 CA

Contact Name

Vendor Phone

613 678 3957

Vendor Fax

613 678 3956

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency Net 10 CAD

FOB

Destination-Collect

hip To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

CX13/05/21

Line Nbr Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable Unit (	Req Qty/ of Measure	Ship Method	Unit Price	Extended Price
D2230-3P	LUG	5/31/2013 Yes	300.00 Each	Dart Truck	\$13.6000	\$4,080.00

Speci-11

MACHINE AS PER DWG D2230 REV. G

B101911

PO Total:

\$4,080.00



Thange Date: 5/21/2013





20 Terry Fox Drive Vankleek Hill, Ontario K0B 1R0, Canada Tel: (613) 678-3957 Fax: (613) 678-3956

**Delivery Slip No.:** 

19272

Date:

Jul 17, 2013

Page:

Sold to:		Ship to:
Dart Aeros Att. Linda La 1270 Aberd Hawkesbur	acelle	Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.:	19937	Sold By: Dewar, Eric
Shipped By:	your truck	Ship Date:

Description		Unit.	Ordered quantity	Shipped quantity	Backorder quantity
D2230-3 Mounting Lug DWG D2230 REV. G B101911	Machine as per	Each	300	300	
		- V			
·					
The delivered goods must be inspected upon receipt to Should there be discrepancies please notify METEC with the goods are otherwise deemed accepted.	o confirm compliance. vithin 30 days of delivery.				
Received by		Thank	you for yo	ur order!	

20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0 Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 <u>metec@metec.ca</u>

## CERTIFICATE OF CONFORMITY

SOLD TO:

SHIPPED TO:

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ont.

same

K6A 1K7

**QUANTITY** 

PART NUMBER

PART NAME

P.O. NUMBER

300

D2230-3P

Lug

19937

MATERIAL: supplied by DART B93551

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Shigi Walz

Vankleek Hill, July 17, 2013